DETAIL ESTIMATE FOR PROPOSED CONSTRUCTION OF GYM BUILDING NEAR HMT GROUND (J.P.PARK) IN WARD NO 17

No	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1 (b) / 2.3.5 (PWD -P-5, I -2.3)								
	Column Footing F1	Cmt	9	1.50	1.50	1.20	24.30		
	F2		3	1.50	1.50	1.20	8.10		
	for RCC retaining wall		2	11.50	1.50	1.20	41.40		
			2	8.00	1.50	1.20	28.80		
	for foundation		1	11.50	0.60	0.60	4.14		
			2	8.00	0.60	0.60	5.76		
	for sump		1	2.00	2.00	1.80	7.20		
							119.70	188.68	22,585.00
2	Providing and laying plain cement concrete of mix M7.5 with OPC cement @180kgs with 40mm and down size graded granite metal, coarse aggregates @0.86cum and fine aggregates @0.568cum machine mixed, concrete laid in layers not exceeding 15 crns. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (PWD - P-12-I-4.3)								
	Column Footing F1	Cmt	9	1.50	1.50	0.10	2.03		
	F2		3	1.50	1.50	0.10	0.68		
	for RCC retaining wall		2	11.50	1.50	0.10	3.45		
			2	8.00	1.50	0.10	2.40		
	for foundation		1	11.50	0.60	0.10	0.69		
			2	8.00	0.60	0.10	0.96		
	for sump		1	1.80	1.80	0.10	0.32		
	for flooring		1	11.50	8.00	0.10	9.20		
							19.72	4,976.70	98,160.43
3	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregtes@0.459cum, with superplatisiser @3lts confirming to ISO 103-1999 Reaffirmed-2008,machine mixed, concrete laid in layers not exceeding 15 cms thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness including attached plasters, columns, piers, abutments, pillars, pots, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.., including cost of materials, labour, HOM of machinery, curing, complete as per specification.(PWD - P-13,-I-4.11)								
	Column Footing F1	Cmt	9	1.40	1.40	0.75	13.23		
	F2		3	1.40	1.40	0.75	4.41		
	for RCC retaining wall		2	11.50	1.40	0.60	19.32		
			2	8.00	1.40	0.60	13.44		
	column		9	0.45	0.23	4.00	3.73		
			3	0.15	0.15	4.00	0.27		
	for RCC retaining wall		2	11.50	0.20	2.50	11.50		
			2	8.00	0.20	2.50	8.00		
	Plinth beam		2	11.50	0.23	0.45	2.38		
			4	8.00	0.23	0.45	3.31		
	lintel		2	11.50	0.15	0.30	1.04		
	beam		2	11.50	0.30	0.30	2.07		

Sl. No. 16

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Sl.	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
	Staircase waist slab		4	9.20	0.30	0.30	3.31		
	landing		1	7.00	1.20	0.30	2.52		
	Roof slab		1	2.50	1.20	0.20	0.60		
			1	11.50	9.20	0.15	15.87		
							105.00	6,083.34	638,723.32
	First floor column		8	0.45	0.23	3.00	2.48		
			3	0.15	0.15	3.00	0.20		
	beam		2	11.50	0.30	0.30	2.07		
			4	9.20	0.30	0.30	3.31		
	lintel		2	11.50	0.15	0.30	1.04		
	Staircase waist slab		1	7.00	1.20	0.30	2.52		
	landing		1	2.50	1.20	0.20	0.60		
							12.22	6,136.34	75,007.55
4	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Steel=1.075Qtl) (PWD -P-17-I-4.46.3)								
	Steel @ 130kgs/cmt	Tonne	1	15.00			15.00		
							15.00	69,204.22	1,038,063.30
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD - P-15, I-4.28)								
	Column Footing F1	Smt	9	5.60		0.75	37.80		
	F2		3	5.60		0.75	12.60		
	plinth beam		4	11.50		0.45	20.70		
			8	8.00		0.45	28.80		
	RCC retaing wall footing		4	11.50		0.75	34.50		
							134.40	239.56	32,196.86
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD - P-15, I-4.31)								
	Retainaing wall	Smt	4	11.50		2.50	115.00		
		Smt	4	8.00		2.50	80.00		
							195.00	301.04	58,702.80
7	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. (PWD - P-16, I-4.32)								
	Column C1	Smt	9	1.40		4.00	50.40		
	C2		3	1.20		4.00	14.40		
							64.80	376.30	24,384.24
	for additional floor	Smt	8	1.40		3.50	39.20		
			3	1.20		3.50	12.60		
							51.80	397.50	20,590.50
8	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. (PWD - P-17, I-4.35)								

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Sl.	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
	plinth beam		4	11.50		0.45	20.70		
	Lintel		8	8.00		0.45	28.80		
	Roof beam B1		4	11.50		0.23	10.58		
	B2		2	11.50		0.30	6.90		
			4	9.20		0.30	11.04		
							78.02	348.74	27,208.69
	FF Roof beam B1		2	11.50		0.30	6.90		
	B2		4	9.20		0.30	11.04		
							17.94	369.94	6,636.72
9	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD - P-15, I-4.18)								
	Roof Slab	Smt	1	11.50	9.20		105.80		
							105.80	323.00	34,173.40
	FF Roof Slab	Smt	1	11.50	9.20		105.80		
							105.80	344.50	36,448.10
10	KSRB 5.2-2 : Providing and constructing granite I trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.1 3 (PWD - P-23, I-5.6)								
	Foundation below plinth	Cmt	2	8.00	0.60	0.75	7.20		
			1	11.50	0.60	0.75	5.18		
							12.38	4,058.74	50,226.91
11	Providing and laying plain cement concrete of mix M10 with OPC cement @220kgs with 20mm and down size graded granite metal, coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not exceeding 15 crns. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (PWD-P- 13- I -4.7)								
		Cmt	2	8.00	0.60	0.100	0.96		
			1	11.50	0.60	0.100	0.69		
							1.65	5,390.10	8,893.67
12	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations up to plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (PWD - P- 6 - I -2.10)								
	Floor	Cmt	1	11.50	8.00	0.60	55.20		
							55.20	127.20	7,021.44
13	KSRB 5-15 : Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1 :4 (Jamb, closer blocks) with blocks of size 40x20x20cms. (LxBxH) conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. PWD (P- 25,-I - 5.27) .								
	Building wall	Cmt	2	11.50		3.00	69.00		
			2	8.00		3.00	48.00		
	Staircase room		1	3.50		3.00	10.50		
			1	2.50		3.00	7.50		
	sump		1	7.00		1.80	12.60		

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Sl. No.	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
	Deduction Door D1		2	1.00		2.10	-4.20		
	Window W1		6	1.20		1.20	-8.64		
							134.76	999.58	134,703.40
	first floor wall	Sqm	2	11.50		4.50	103.50		
			2	8.00		3.00	48.00		
	Staircase room		1	3.50		3.00	10.50		
			1	2.50		3.00	7.50		
	Deduction Door D1		2	1.00		2.10	-4.20		
	Window W1		6	1.20		1.20	-8.64		
							156.66	1,030.38	161,419.33
14	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-25 ,I No-15.22)								
	Slab	Smt	1	11.50	9.20		105.80		
	Beam		6	8.00		0.80	38.40		
							144.20	235.32	33,933.14
	first floor slab		1	11.50	9.20		105.80		
	Beam		6	8.00		0.80	38.40		
			4	11.50		0.30	13.80		
							158.00	240.62	38,017.96
15	KSRB 15.3.2Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. inside Plastering(P.No-109 ,I No-15.10)								
	Room	Sqm	2	11.50		3.00	69.00		
			2	8.00		3.00	48.00		
	staircase room		2	5.00		3.00	30.00		
	sump		1	7.00		1.80	12.60		
	sump floor		1	1.80		1.80	3.24		
	deduct		6	1.20		1.20	(8.64)		
	door		2	1.00		2.10	(4.20)		
							150.00	166.00	24,900.00
	FF		2	11.50		3.00	69.00		
			2	8.00		3.00	48.00		
	staircase room		2	5.00		3.00	30.00		
	deduct		6	1.20		1.20	(8.64)		
	door		2	1.00		2.10	(4.20)		
							134.16	171.72	23,037.96
16	KSRB15-3.9 : Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-113 ,I No-15.17)								
	walls	Smt	2	11.50		3.00	69.00		
			2	8.00		3.00	48.00		
	deduct for windows		6	1.20		1.20	(8.64)		
	door		2	1.00		2.10	(4.20)		
							104.16	199.28	20,757.00
	FF walls including parapet	Smt	2	11.50		4.50	103.50		
			2	8.00		4.50	72.00		
	deduct for windows		6	1.20		1.20	(8.64)		
	door		2	1.00		2.10	(4.20)		
							162.66	204.58	33,276.98
17	Providing and fixing Special make glazed vitrified tiles (Granomite finish) of approved make, quality and colour of size 600X600X10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc.., complete including providing spears at required size and fixing etc.., complete(PWD P- 107- I 14.43)								

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Sl. No.	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
		Smt	1	12.00	10.00		120.00	1,216.88	146,025.60
	FF		1	12.00	10.00		120.00	1,218.47	146,216.40
18	KSRB 15-1 5.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. With Primer (PWD - P- 116 - I -15.51.2)								
	same as inside plastering item 15	Smt					**150.00**	90.10	13,515.00
	First floor						**134.16**	93.28	12,514.44
19	KSRB 15-16.1 : Providing and finishing external walls in **two coats with waterproof cement paint** of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P.No-111 ,I No-114, 53.1)								
	same as inside plastering item 16	Smt					104.16	297.86	31,025.10
	First floor	Smt					162.66	301.04	48,967.17
20	KSRB 9.4-2 : Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (PWD - P- 51, I - 9.12)								
	Door D1	Cmt	4	2.10	0.10	0.10	0.08		
			4	1.00	0.10	0.10	0.04		
							0.12	84,030.44	10,419.77
21	KSRB 9-1 0.1 : Providing and fixing in position Honne wood class-II fully pannelled shutters for doors, styles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and styles 1 00mm wide as per drawing and panels of 25mm thick, 4mm thick plain glass, fixed with beading 15mm wide and thickness to finish with the shutters surface including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, 9.42 (PWD - P -52, I -9.21)								
	Door D	Smt	2	1.00		3.00	6.00		
							6.00	4278.16	25,668.96
22	Providing and applying painting two coats (excluding priming coat) on new wood surface and /or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.(PWD - P - 118, I -15.60.1)								
	Door D1	Smt	4	1.20		2.10	10.08		
							10.08		
	Adding co efficient @2.25						**22.68**	85.86	1,947.30

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Sl. No.	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
23	KSRB 7.9: Providing and fixing M.S. grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS. 7.12 .(PWD - P - 32, I - 7.9)								
	For Window grill		6	2.00	21.00		252.00		
							252.00	90.10	22,705.20
24	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.(PWD - P - 127, I -15.74)								
	Window Grill		6	3.00		1.50	27.00		
							27.00	83.74	2,260.98
25	Providing and fixing 20mm thick gang saw water cut sadarahalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing.(PWD - P- 117 - I -14.61)								
	for staircase	Smt	4	6.00	1.20		28.80		
	landing		2	2.50	1.20		6.00		
							34.80	2,047.92	71,267.62
26	KSRB 7.5: Providing and fixing pull and push type rolling shutters of approved make out of 18 gauge, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4 Nos, handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.6m Specification No. KBS 7.10 / 7.12 (PWD - P- 36 - I -7.5)								
	Roiling Shutter RS1	Smt	2	3.00		2.40	14.40		
							14.40	2,838.68	40,876.99
27	Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing no.11520/HRSC with hand rail 50mm dia 16 gauge hollow pipe welded to vertical hollow 50mm dia pipe of 16 gauge, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 nos of 25mm dia.stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc.., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications.(PWD - P -48, I -7.38)								
	For balcony	Smt	1	14.00		1.20	16.80		

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Sl. No	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
	For stairs		2	5.00		1.20	12.00		
	TOTAL						28.80	6,473.42	186,434.50

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount

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Sl.	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
	Design,Supply,Installation,commisioning of RO plant 2000litr per hour Capacity with softner (1Nos)								
28	**Raw water Feed pump with starter,**Type-Horizontal ,Centrifugal.Make-Kirloskar/Beaconweir/Sumo/CNP(SS),Material of Construction-Cast Iron,Head-36 MWC. Motor-3.0HPthree phase.Starter-L&T Siemen make push botton type DOL Starter								
		1				1.00	Nos	24500.00	24,500.00
29	**Multi graded sand filter,type-verticle**,Floor Mounted,Make-pentair/structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure - 3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of valve size-Multiport,50NB,make-UKL/Initiative,Filtering Media -Gravel,Graded Sand & Pebble								
		1				1.00	Nos	33000.00	33,000.00
30	**Activated carbon Filter type-Verticle**,Floor Mounted,Make-pentair/Structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure - 3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of valve size-Multiport,50NB,make-UKL/Initiative,Filtering Media -Gravel, Activated Carbon & pebbles								
		1				1.00	Nos	62500.00	62,500.00
31	**Water Softner**,type-Verticle,Floor Mounted,Make-pentair/Structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure 3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of Resin INDION 220Na or Thermax T40								
		1				1.00	Nos	62000.00	62,000.00
32	**Antiscalant Dosing System,**Equipment Required-Electronic Dosing Pump with Solution Tank,make-Ion Exchange (I) Ltd../ASIA LMI/Zeolite,Material of Construction-PP(Polypropelene),Discharge @Max Back Pressure-2.88litr/Hr @8bar,Discharge@Nominal Back Pressure=3.12Lit/Hr @ 4Bar,Chemical to be dosed-INDION Antiscalant								
		1				1.00	Nos	85000.00	85,000.00
33	**Accessories for Dosing System**,Solution Tank-One No,Volume-100Litres,Material of Construction-HDPE,Tank level Switch-One No.								
		1				1.00	Nos	42000.00	42,000.00
34	**Reverse Osmosis System,**Type-Horizontal Skid,Floor Mounted,Permeate water-Minimum 2000litr/hr,Maximum Permissable TDS in feed (PPM)-2500.								
		1				1.00	Nos	89000.00	89,000.00
35	**Pressure Vessel,**Material of Construction-FRP,Make-Advance Composite/Code Line.								
		1				1.00	Nos	85000.00	85,000.00
36	**Membrane,** Type-Brackish water . Nos required-Three.Make-TORAY JAPAN /Hydranautics/Filmtec/Tricep								
		1				1.00	Nos	88000.00	88,000.00
37	**High pressure pump,**Type-verticle,multistage,Make-GRUNDFOS,MOTOR-7.5 HP 3Phase, Model-CRN series,Material of construction-SS316,starter-L&T/Seimens make push botton type DOL starter								
		1				1.00	Nos	55000.00	55,000.00

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Sl.	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
38	Micron Filter,Type -JUMBO,Material of construction of housing-poly propelene		L	B	D				
		1				1.0	Nos	78000.0	78,000.00
39	Instruction, Wet panel -Ms powder coated., Mounted on R.O> skid, Low pressure switch-one No,High Pressure Switch-one, Digitalconductivity Meter wiyh sensor , Indon brand-one No , ON/OFF selector Switch -one No, High pressure System Pressure Gauge -one No, Auto Flush Timer -one No, Indication Lamps -one No, product Flow Meter- one No, Reject Flow Meter-one No,Reject Re-circolation Meter-one No,Alarm-one No								
		1				1.00	Nos	86000	86,000.00
40	pH correction dosing System, Equipment Required-Electronic Dosing Pump with solution Tank, Make-Ion Exchange(1) Ltd.,/ASIA LMI/Zeolite,Material of construction -PP, Discharge @ max . Back Pressure-2.88 Lit/Hr@8Bar.Discharge@Nominal Back Pressure-3.12 Lit/Hr@4Bar,Frequency-100 Strokes / Min, Chemical to be dosed-PH Booster								
		1				1.00	Nos	83000.00	83000.00
41	Solution Tank with level switch, Solution Tank-one No, Volume-100 Liters. Material of construction-HDPE. Tank levelswitch-one No								
		1				1.00	Nos	15000.00	15,000.00
42	Inter-connecting pipe work ,Raw water tank to feed pump suction and feed pump delivery to R.O. Inlet (up to High pressure pump in let)and RO outlet to Treated water tank-food Grade PVC pipe 40mm NB, Make-Finolex/ supreme,High pressure pump outlet to membrane inlet-ss pipe of required size, Approximate Length-35.0 Metre								
		1				1.00	Nos	78000.00	78,000.00
43	Ultra violet system, Model-UVS-20,Make-Ion Exchange (I) Ltd.,/ASIA LMI/Zeolite,ALFA Flow rate-2000L/H								
		1				1.00	Nos	74500.00	74500.00
44	RO water strong tank, 2000 ltrs SS tank, to store RO water with required nozzles								
		1				1.00	Nos	80000.00	80000.00
45	Wending Machine ,Digital Swiping Card Type								
		1				1.00	Nos	35000.00	35000.00
	BOREWELL								
46	Sinking Borewell of 165mm dia clear, using fast rig in all strata including over-burden upto 20mts. Fixing of casing Pipes, collars and cap with necessary cutting and threading including, transportation of Rig and supporting vehicle, crew charge and cost of consumbles, etc, complete including yield testing at the final depth with a minimum woring of compressor for one hour. (excluding cost of casing pipes, collars and cap, etc.)								
	a) 0.00 to50.00 Mtr		50.00			50.00	Rmtr	306.00	15,300.00
	b) 50.00 to 100.00 Mtr		50.00			50.00	Rmtr	400.00	20,000.00
	c) 100.00 to 150.00 Mtr		50.00			50.00	Rmtr	445.00	22,250.00
	d) 150.00 to 200.00 Mtr		50.00			50.00	Rmtr	470.00	23,500.00
	e) 200.00 to 250.00 Mtr		50.00			50.00	Rmtr	544.00	27,200.00

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Sl.	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
47	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty. Page No.ii, I.No.53 PRE Bang SR 2012-12								
		1	20.00			20.00	Rmtr	1325.00	26500.00
	a) Above 20mtrs and upto 30mtrs.@15%	1	10.00			10.00	Rmtr	45.90	459.00
	b) Above 30mtrs@30%	1	15.00			15.00	Rmtr	91.80	1377.00
48	175mm M.S. B-Class Casing Collar (P.No.ii,I.No.55)								
		5				5.00	Nos	150.00	750.00
49	175mm dia Casing Cap (P.No.ii,I.No.54)								
		1				1.00	Nos	100.00	100.00
50	Supply and delivery at site brand new submesible PUMPSET suitable for bore well of 150 mm dia and having declared duty conditions as detailed below and satisfying performances characteristics for pump and motor as declared by bureau of Indian standards. The pump should confirm to IS:8034-1970 (with all its latest amendments) and should bear the ISI mark 12.5 HP 20 stage (CRI Pumps) SR 2013-14 page xxxxII sl no 23)								
	H=150m dish 150 LPM	1				1	Set	60084.36	60,084.36
51	Supply and Delivery of Galvanized Mild steel Heavy Class (C-Class) conforming to IS 1239-1979 PART-I/1979 with lastest amendments with ISI mark (one end fitted with ISI mark heavy duty collar and other end fitted with Protective cover) 50 mm dia								
	50mm dia G.I Pipe with heavy duty	1	290.00			290.00	Mtr	375.00	108750.00
52	submersible Cable: Supply and Delivery of brand new best make PVC insulated cable of flat 3core (sheathed) of nominal cross sectional area containing to IS 894-1997 with latest amendments (as per SPD) 4 Square mm								
	280*2+10	1	600.00			600.00	Mtr	81.00	48600.00
53	50 mm dia GI Collar Heavy duty								
		1	48.00			48.00	Mtr	130.00	6240.00
54	Meter and Panel Board: Supply and Delivery of Meter and Panel Board: Meter Board unit one number of MS Box of size 300x120 mm size fabricated out of 2mm thick sheet metal with sealable door arrangement for munting the CTS (if any) cutouts 3phase dia 4 wire energy meter and cable box complete. A transparent glass piece should be provided where the energy meter reading could be read. Panel Board: One number of cubicle type of control panel board to operate on 50c/400/400v Upto 10 to 20 HP								
		1				1.00	Nos	11000.00	11000.00
55	50mm dia G.I.N.R. Valve								
		1				1.00	Nos	856.00	856.00

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